

Advanced Media Workflow Association

AMWA promotes the development and adoption of open, accessible standards and specifications relating to file-based workflows (including AAF, MXF and other formats), Service Oriented Architectures, and Application Specifications

The AMWA, is developing workflow solutions in several areas:

- Production
- Post Production
- Mastering
- Preservation Archiving
- Program Distribution



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The Problem...

- Interchange incompatibility between disparate manufacturers/users
- Complexity of implementation causes increases in both time to market and systems costs
- Metadata support throughout the chain is vital.
 Historically metadata may have been lost and reentry required. Metadata is the key to automating the process
- Costs increase when content owners have to create separate production chains for each output format



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The MXF Mastering Format Project

Mastering in this context means the process of receiving a program, ingesting, repurposing and preparing file based versions for distribution

- Open Vendor Independent Industry Initiative
- Set of file specifications leveraging existing standards
- A proposed MXF API
- A proposed <u>controlled subset of MXF options</u> for a specific user application space



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Inventory Contains Versions References Video Audio Audio VBI Managed M



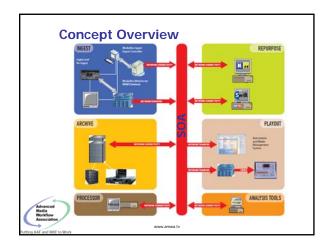
The Concept

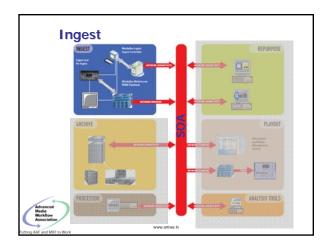
Vendor Independent solution:

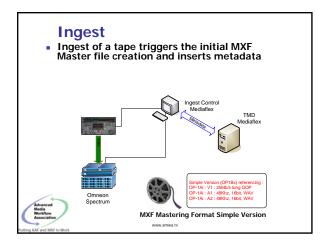
- multi-vendor interchange
- Facilitates the creation of different versions from one program master (family viewing, adult viewing, additional language versions)
- Enables the efficient repurposing of content to many different platforms (SD, HD, Mobile phone, Web, IPTV, Broadband, DVD, etc.)

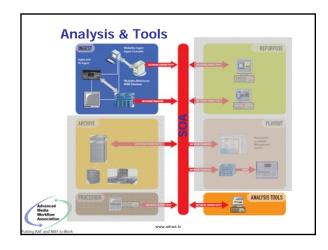


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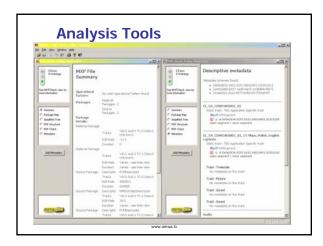


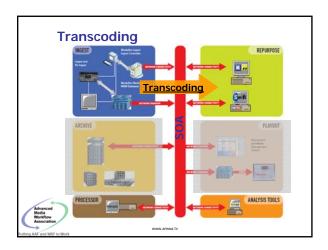
Analysis Tools

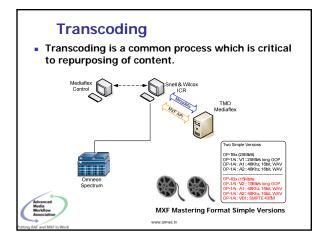
- These are good things we need them badly
- Currently test tools from different vendors yield inconsistent results using same file
- MXF Mastering Format proposal eliminates ambiguity, allowing for uniform testing of files and metadata
- A challenge to the industry is to simplify test tools and to provide testing on a continuous basis throughout the process

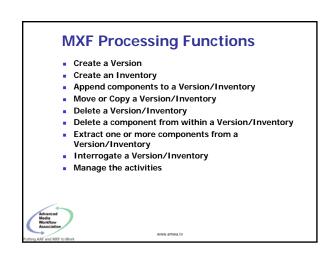


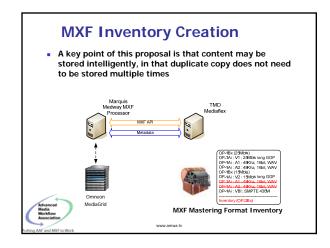
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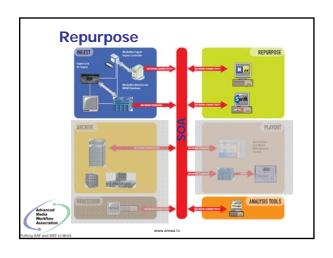


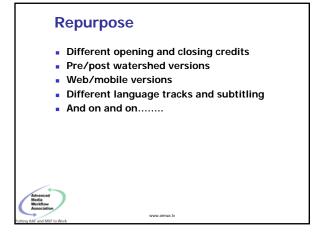


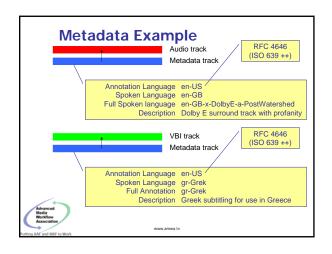


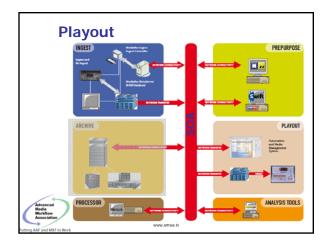


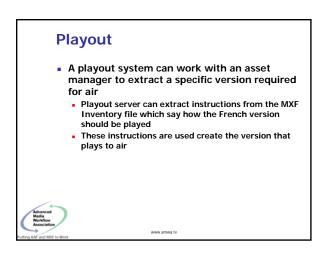


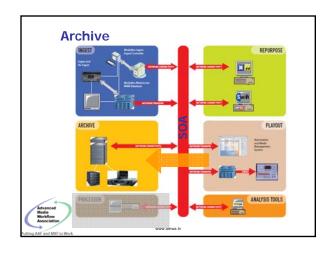


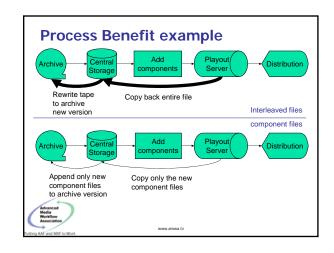












The Big Picture...

- We had a need to reduce the cost of producing multiple versions of content
- We were successful in meeting this need using a well specified subset of MXF
- It works!!
- But...
 - This is still a work in process. This is an open initiative; we want your participation and input
- And...

Please get involved



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Next Steps

- The MXF Mastering Format is a project in process with the Advanced Media Workflow Association (documents available to members on the Web site <u>www.amwa.tv</u>)
- We are soliciting comments on this specification. The proposal will be revised based upon comments received



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